

Title (en)
PROCESSING OF DEPTH IMAGES

Title (de)
VERARBEITUNG VON TIEFENBILDERN

Title (fr)
TRAITEMENT D'IMAGES DE PROFONDEUR

Publication
EP 2917893 A1 20150916 (EN)

Application
EP 12888068 A 20121112

Priority
SE 2012051230 W 20121112

Abstract (en)
[origin: WO2014074039A1] A method, an electronic device, a computer program and a computer program product relate to 3D image reconstruction. A depth image part (7) of a 3D image representation is acquired. The depth image part represents depth values of the 3D image. An area (9, 10) in the depth image part is determined. The area represents missing depth values in the depth image part. At least one first line (Pr) in a first neighbourhood (Nr) of the area is estimated by a first gradient of the depth values being determined in the first neighbourhood and a direction of the at least one first line being determined in accordance with the first gradient. Depth values of the area based on the at least one first line are estimated and the area is filled with the estimated depth values. The 3D image is thereby reconstructed.

IPC 8 full level
G06T 7/00 (2006.01); **H04N 13/128** (2018.01)

CPC (source: EP US)
G06T 5/77 (2024.01 - EP US); **G06T 7/529** (2016.12 - EP US); **G06T 7/90** (2016.12 - EP US); **H04N 13/111** (2018.04 - EP US); **H04N 13/122** (2018.04 - EP US); **H04N 13/128** (2018.04 - EP US); **G06T 2207/10028** (2013.01 - EP US); **G06T 2207/20228** (2013.01 - US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2014074039 A1 20140515; EP 2917893 A1 20150916; EP 2917893 A4 20151125; IN 3752DEN2015 A 20151002; US 2015294473 A1 20151015

DOCDB simple family (application)
SE 2012051230 W 20121112; EP 12888068 A 20121112; IN 3752DEN2015 A 20150502; US 201214441874 A 20121112